



Instruction Manual—E68 Series Powered Curve Delay Module

MODELS COVERED IN THIS MANUAL

E68 Series Style	Delay Module
NEMA 1 Multi Drop	1451BSR1216
NEMA 1 Daisy Chain	1451BSC1216
NEMA 4	1451BSP1216

INTRODUCTION

The E68 Series Powered Curve Delay Module is designed for easy integration into an E68 zero-pressure accumulation sensing and control system. The delay module is designed to allow zero-pressure accumulation (ZPA) through a powered curve that is not divided into ZPA controlled zones. Install the delay module adjacent to the standard E68 unit at the powered curve infeed and set the time delay to account for the speed of the curve and the size of the smallest package to ensure two items are never simultaneously present in the curve.

INSTALLATION

Mount the unit in the powered curve infeed zone and insert the T-cable between the E68 unit in that zone and the downstream E68 unit at the powered curve discharge (see page 2). **Note:** Mount the unit adjacent to and on the downstream side of the E68 unit in that zone. Set the time delay as shown on the right.

When properly installed, the trailing edge of a package will trigger the timer. For the length of the time delay, the powered curve infeed zone will accumulate to allow the transiting package time to completely clear the curve.

PROGRAMMING THE TIME DELAY MODULE

Set the time delay to account for the speed of the curve and the size of the smallest package, as shown at right to ensure two items are never simultaneously present in the curve.

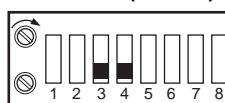
Program the Time Delay Module for the desired mode by setting the slide switches as shown in the following diagrams. The shaded areas on the diagrams designate slide switch positions.

Setting the Timing Range

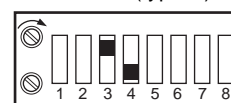
Position the switches as shown to set the timing range.

Delay Timing Ranges

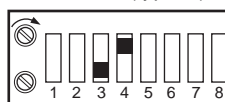
2.56 to 25.6
seconds (default)



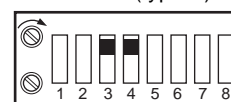
0.32 to 3.20
seconds (typical)



0.04 to 0.40
seconds (typical)



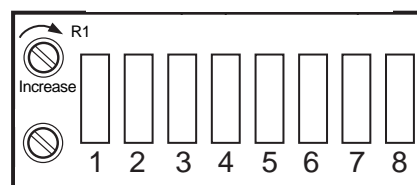
0.005 to 0.050
seconds (typical)



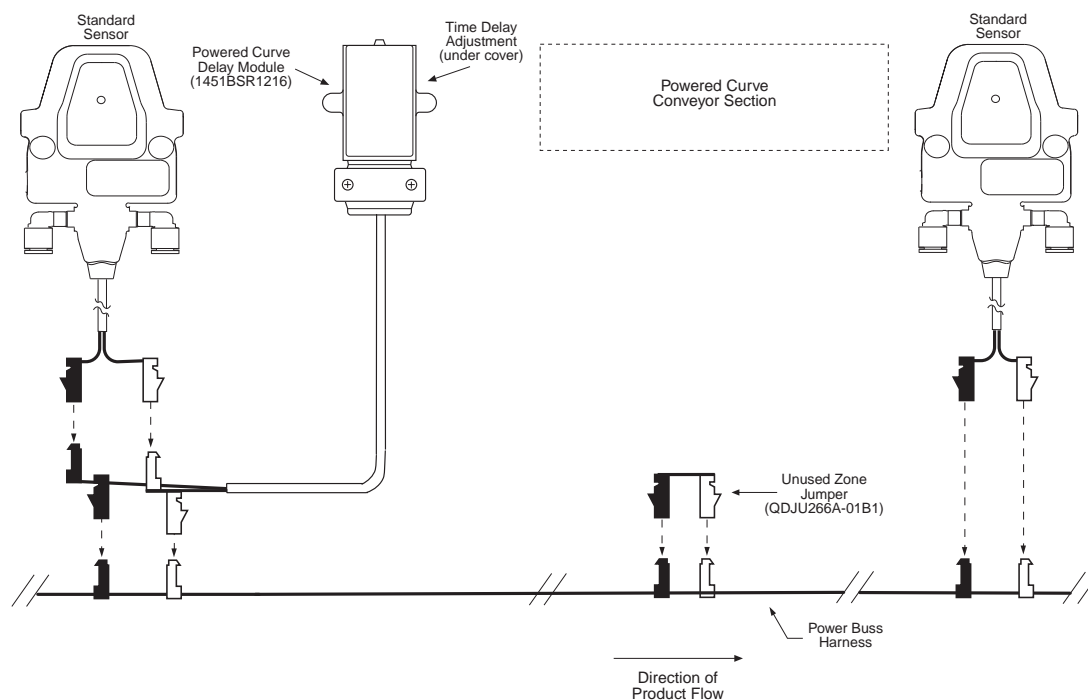
Setting the Time Delay

Using a small screwdriver, turn the R1 potentiometer clockwise to increase the time and counterclockwise to decrease the time.

Time Delay
Adjustment

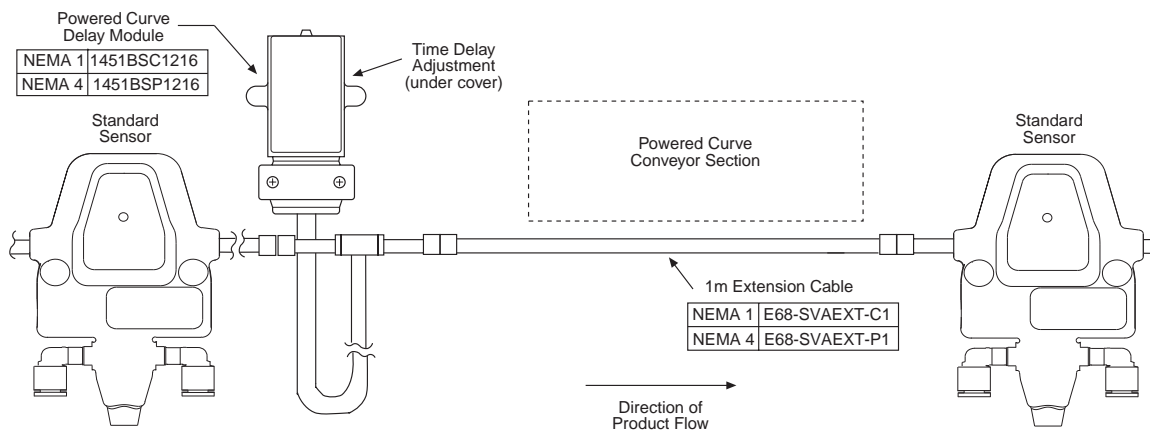


TYPICAL MULTI-DROP BUSS WIRING



TYPICAL DAISY-CHAIN WIRING*

* NEMA 1 daisy-chain layout (1451BSC1216) is shown below. Installation for the NEMA 4 variant (1451BSP1216) is similar.



Still Need Help?

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